

Title (en)
Cell culture processes

Title (de)
Zellkulturverfahren

Title (fr)
Procédés de culture de cellules

Publication
EP 2574677 B1 20170913 (EN)

Application
EP 12198754 A 20081222

Priority
• EP 08868009 A 20081222
• US 932807 P 20071227

Abstract (en)
[origin: WO2009086309A2] Culturing heterologous protein-secreting mammalian cells, such as CHO or BHK cells, at 35.1 -36.50C and/or at pH 7.15-7.20 and/or at a dissolved CO2 concentration of 10% or lower. Preferred heterologous proteins are Factor VIII, ADAMTS-13, f urin or Factor VII.

IPC 8 full level
C12P 21/02 (2006.01); **C12N 9/64** (2006.01)

CPC (source: CN EP KR US)
C07K 14/755 (2013.01 - CN US); **C12N 5/06** (2013.01 - KR); **C12N 9/6437** (2013.01 - EP US); **C12N 9/6454** (2013.01 - EP US); **C12N 9/6489** (2013.01 - EP US); **C12P 21/00** (2013.01 - US); **C12P 21/02** (2013.01 - CN EP US); **C12Y 304/21021** (2013.01 - EP US); **C12Y 304/21075** (2013.01 - EP US); **C12Y 304/24087** (2013.01 - EP US)

Cited by
US9688752B2; US10119118B2; US9708399B2; US9708400B2; US9683033B2; US9957318B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009086309 A2 20090709; WO 2009086309 A3 20091001; AR 069956 A1 20100303; AR 110864 A2 20190508; AU 2008345231 A1 20090709; AU 2008345231 B2 20140911; BR 122019022434 B1 20201103; BR 122019022434 B8 20210727; BR PI0821481 A2 20141104; CA 2709890 A1 20090709; CN 101910408 A 20101208; CN 106222220 A 20161214; DK 2235197 T3 20171009; DK 2574676 T3 20171009; DK 2574677 T3 20171106; EP 2235197 A2 20101006; EP 2235197 B1 20170726; EP 2574676 A1 20130403; EP 2574676 B1 20170830; EP 2574677 A1 20130403; EP 2574677 B1 20170913; EP 3255152 A1 20171213; ES 2644089 T3 20171127; ES 2647294 T3 20171220; ES 2649094 T3 20180110; HK 1246827 A1 20180914; HR P20171374 T1 20171229; HR P20171375 T1 20171215; HR P20171495 T1 20180126; HU E036496 T2 20180730; HU E036712 T2 20180730; JP 2011507551 A 20110310; JP 2014100148 A 20140605; JP 2016013140 A 20160128; JP 5727790 B2 20150603; JP 5890854 B2 20160322; KR 101659458 B1 20160923; KR 101798813 B1 20171116; KR 101818411 B1 20180112; KR 20100097752 A 20100903; KR 20160112025 A 20160927; KR 20170126514 A 20171117; KR 20180005287 A 20180115; MX 343269 B 20161031; MX 343271 B 20161031; NZ 586250 A 20121130; PL 2235197 T3 20180131; PL 2574676 T3 20171229; PL 2574677 T3 20171229; PT 2235197 T 20171011; PT 2574676 T 20171011; PT 2574677 T 20171019; SG 10201503304R A 20150629; SG 187397 A1 20130228; SI 2235197 T1 20171030; SI 2574676 T1 20171030; SI 2574677 T1 20171130; US 2009176269 A1 20090709; US 2016244506 A1 20160825; US 9359629 B2 20160607

DOCDB simple family (application)
US 2008088036 W 20081222; AR P080105692 A 20081223; AR P180100205 A 20180129; AU 2008345231 A 20081222; BR 122019022434 A 20081222; BR PI0821481 A 20081222; CA 2709890 A 20081222; CN 200880123254 A 20081222; CN 201610625651 A 20081222; DK 08868009 T 20081222; DK 12198392 T 20081222; DK 12198754 T 20081222; EP 08868009 A 20081222; EP 12198392 A 20081222; EP 12198754 A 20081222; EP 17175185 A 20081222; ES 08868009 T 20081222; ES 12198392 T 20081222; ES 12198754 T 20081222; HK 18105999 A 20180509; HR P20171374 T 20170914; HR P20171375 T 20170914; HR P20171495 T 20171005; HU E08868009 A 20081222; HU E12198392 A 20081222; JP 2010540844 A 20081222; JP 2014045879 A 20140310; JP 2015207654 A 20151022; KR 20107016654 A 20081222; KR 20167025638 A 20081222; KR 20177032356 A 20081222; KR 20187000372 A 20081222; MX 2014003366 A 20081222; MX 2015014311 A 20081222; NZ 58625008 A 20081222; PL 08868009 T 20081222; PL 12198392 T 20081222; PL 12198754 T 20081222; PT 08868009 T 20081222; PT 12198392 T 20081222; PT 12198754 T 20081222; SG 10201503304R A 20081222; SG 2012095329 A 20081222; SI 200831864 T 20081222; SI 200831865 T 20081222; SI 200831871 T 20081222; US 201615145618 A 20160503; US 34180708 A 20081222